



Universiti Malaysia Pahang

V









POWER O	F APPLIED KNOWLEDGE			
With 0% basic R&D + 0% Product/Theory → Solve Industrial Problem Through Applied R&D				
KAO Industry				
1 month	To automate manual process			
KYOTO UNIVERSITY				
Relevance extensive literature search				
1 month	Hire Lecturers & MSc Students			
Seminar				
2 month				
Data (Validate, Simulation)				
2 month				
Implementation (real world)				





MALAYSIAN SCENARIO ...

VISION 2020 NEW ECONOMIC MODEL





















On the supply s of stude	ide, there ents for ex	e is also a significant pool xpansion of TVET	
Segment	Size Today Thousands	Segment description	Projected capture rate in 2020
Basic education dropouts	301	 Basic education dropouts, i.e. students leaving school prior to taking SPM 	50%
SPM leavers directly entering workforce	100	 Unskilled workers entering workforce without further qualifications, out of which 40k have no SPM credits 	30%
Foreign students	0.2	 Foreign students coming to Malaysia for Skills Training Malaysian Skills training curriculum exported abroad 	16,000
Lifelong learning for unskilled and semi- skilled workforce	8,400	 Upskilling of those already in workforce 	20%
Higher level SKM 3 and 4	40	 SKM 1 and 2 holders who do not current go on to pursue SKM 3 and 4 	y 50%
	¹ Number of str education system SOURCE: MOHR	udents leaving the national could be higher, up to 80k	/.ump.edu.my

































MQF Levels	Skills (SAC – Technical & Non Technical)	Vocational and Technical (TAC – Poly, Community College, Dublin Accord)	Higher Learning Institutions (ETAC – Sydney Accord)	Designatio
8	NA	NA		Principal Technologist Executive
7	NA	NA	Masters	Senior Technologist Executive
6	NA	NA	Bachelors	Technologist Executive
5	Advanced Diploma	Advanced Diploma	Advanced Diploma	Senior Technician
4	Diploma	Diploma	-7 Diploma	Technician
3	Skills Certificate 3	Vocational & Technical Certificate		Junior Technician
2	Skills Certificate 2			Senior Operator
1	Skills Certificate 1			Operator





















